



STIC EIC 2100 180478 Search Request Form

Today's Date: 2/24/06

What date would you like to use to limit the search?

Priority Date:

Other: 6/23/03

Name TAMMY NGUYEN

Format for Search Results (Circle One):

AU 2144 Examiner # 79566

☒ PAPER

☐ DISK

☐ EMAIL

Room # 4C76 Phone 272-3929

Where have you searched so far?

☐ USP

☐ DWPI

☒ EPO

☒ JPO

☒ ACM

☐ IBM TDB

Serial # 10/602,223

☒ IEEE

☐ INSPEC

☐ SPI

Other Fast

Is this a "Fast & Focused" Search Request? (Circle One) YES NO

A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2100 and on the EIC2100 NPL Web Page at <http://ptoweb/patents/stic/stic-tc2100.htm>.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

There are Three storages System each including Storage Controller, data Volume, first storage controller configured to receive a write request from first host and second storage controller receiving first data contain write data to mirror the first volume to the second data volume. Third storage Controller receiving second data containing a journal to mirror the first data volume in the Third data volume.

Write request from first storage System complete after first data received by second storage. And first storage System complete independly of second data being received by the Third Storage System. and third storage data volume is generated according provided by the sequence number of journal.

STIC Searcher Geoffrey St. Leger Phone 23540

Date picked up 2/24/06 Date Completed 2/24/06



File 347:JAPIO Nov 1976-2005/Oct (Updated 060203)

(c) 2006 JPO & JAPIO

File 350:Derwent WPIX 1963-2006/UD,UM &UP=200612

(c) 2006 Thomson Derwent

?

Set	Items	Description
S1	67647	(FIRST? OR 1ST OR PRIMARY OR MAIN OR MASTER OR PARENT) (3W) - (STORAGE OR VOLUME? ? OR DISK? ? OR DISC? ? OR DRIVE? ?)
S2	41949	(STORAGE OR VOLUME? ? OR DISK? ? OR DISC? ? OR DRIVE? ?) (3- W) ONE
S3	40969	(SECOND? OR 2ND) (3W) (STORAGE OR VOLUME? ? OR DISK? ? OR DI- SC? ? OR DRIVE? ?)
S4	33668	(STORAGE OR VOLUME? ? OR DISK? ? OR DISC? ? OR DRIVE? ?) (3- W) TWO
S5	3906	(THIRD? OR 3RD) (3W) (STORAGE OR VOLUME? ? OR DISK? ? OR DIS- C? ? OR DRIVE? ?)
S6	5895	(STORAGE OR VOLUME? ? OR DISK? ? OR DISC? ? OR DRIVE? ?) (3- W) THREE
S7	43129	SEQUENCE() (NUMBER? ? OR DATA OR INFORMATION OR CONTENT) OR JOURNAL?
S8	22	S1:S2 AND S3:S4 AND S5:S6 AND S7
S9	22	IDPAT (sorted in duplicate/non-duplicate order)

T/5/1,5,17-20,22

9/5/1 (Item 1 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2006 Thomson Derwent. All rts. reserv.

009402903

WPI Acc No: 1993-096413/199312

XRAM Acc No: C93-042530

Appts. for calculating base sequence - comprises device to store base sequence data of living body DNA, second storage device for microbe, third storage device, information extractor, etc.

Patent Assignee: FUJITSU LTD (FUIT)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 5038276	A	19930219	JP 91261918	A	19911009	199312 B

Priority Applications (No Type Date): JP 90402368 A 19901214

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 5038276	A	12	C12M-001/00	

Abstract (Basic): JP 5038276 A

Appts. comprises: (a) **first storage** means for storing the base **sequence data** of the DNA of a living body to be expressed.

(b) **Second storage** means for storing the base **sequence data** of the DNA of a microbe to the the host.

(c) **Third storage** means for storing the data table of the frequency using the codon of the microbe, (d) a means for extracting the information of identifying the aminoacid from the base **sequence data** stored in the **first storage** means, (e) selecting means for searching the data table stored in the **third storage** means and selecting a codon in which the information for identifying the aminoacid is identical and which has high frequency of usage, and

(f) A replacing means for replacing the codon in the base **sequence data** of the microbe by the selected codon.

Appts. includes e.g. an external memory e.g. a magnetic disc, which is divided into several partitions. The first partition is used as first storing means. The second partition is used as the **second storage** means to store the base **sequence data** of the DNA of a microbe to the the host (e.g. as E coli). The third partition is used as the **third storage** means to storing data table of the frequency of the usage of the codon of the microbe. Appts. also includes e.g. which optimises the base **sequence data** according to the program stored in a memory and displays the result on a terminal.

USE/ADVANTAGE - Improves reliability and reduces period for obtaining the data

Dwg.0/0

Title Terms: APPARATUS; CALCULATE; BASE; SEQUENCE; COMPRISE; DEVICE; STORAGE; BASE; SEQUENCE; DATA; LIVE; BODY; DNA; SECOND; STORAGE; DEVICE; MICROBE; THIRD; STORAGE; DEVICE; INFORMATION; EXTRACT

Index Terms/Additional Words: SELECTOR; REPLACING

Derwent Class: B04; D16

International Patent Class (Main): C12M-001/00

International Patent Class (Additional): C07H-021/04

File Segment: CPI

9/5/5 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX
(c) 2006 Thomson Derwent. All rts. reserv.

009889952 **Image available**
WPI Acc No: 1994-169868/199421
XRPX Acc No: N94-133787

**Video editing system for combining three or more shots simultaneously -
uses hard disc storage for storing source and combined intermediate shots
for input into two-input video effects unit**

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (MATU); MATSUSHITA ELEC
IND CO LTD (MATU); MATSUSHITA DENKI SANGYO KK (MATU)

Inventor: KAJIMOTO K; TSUBOTA R

Number of Countries: 006 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 599607	A1	19940601	EP 93309342	A	19931124	199421 B
JP 6205292	A	19940722	JP 92318199	A	19921127	199434
US 5526132	A	19960611	US 93156809	A	19931122	199629
EP 599607	B1	19980610	EP 93309342	A	19931124	199827
DE 69319072	E	19980716	DE 619072	A	19931124	199834
			EP 93309342	A	19931124	

Priority Applications (No Type Date): JP 92318199 A 19921127

Cited Patents: DE 4121315; EP 440408; EP 476985; US 4717971; US 4991013; WO
8707108

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
-----------	------	-----	----	----------	--------------

EP 599607	A1	E	30	H04N-005/76	
-----------	----	---	----	-------------	--

Designated States (Regional): DE GB IT NL

JP 6205292	A		5	H04N-005/265	
------------	---	--	---	--------------	--

US 5526132	A		24	H04N-005/76	
------------	---	--	----	-------------	--

EP 599607	B1	E		H04N-005/76	
-----------	----	---	--	-------------	--

Designated States (Regional): DE GB IT NL

DE 69319072	E			H04N-005/76	Based on patent EP 599607
-------------	---	--	--	-------------	---------------------------

Abstract (Basic): EP 599607 A

A video editing system comprises a hard **disc** video store, **two** FIFO (first in first out) for storing video shots read from the disc; storage for shot reproduction **sequence information** , a video effect device for combining two shots simultaneously.

A controller (306) detects, by referring to the shot-reproduce information, a range of frames where three or more shots are to be simultaneously reproduced. Two shots are read out from the disc, combined in the video effect unit and stored. The combined shot is read out and combined with a **third** shot from the **disc** in the video effects unit, the process being repeated until the desired combined shot is obtained.

USE/ADVANTAGE - E.g. for tape dubbing. Time saving operation.

Dwg.3/11

Title Terms: VIDEO; EDIT; SYSTEM; COMBINATION; THREE; MORE; SHOT;
SIMULTANEOUS; HARD; DISC; STORAGE; STORAGE; SOURCE; COMBINATION;
INTERMEDIATE; SHOT; INPUT; TWO; INPUT; VIDEO; EFFECT; UNIT

Derwent Class: W04

International Patent Class (Main): H04N-005/265; H04N-005/76

International Patent Class (Additional): G11B-027/02; H04N-005/262;
H04N-005/91

File Segment: EPI

9/5/17 (Item 17 from file: 347)

DIALOG(R)File 347:JAPIO
(c) 2006 JPO & JAPIO. All rts. reserv.

08479957 **Image available**
DISK ARRAY DEVICE AND METHOD FOR CONTROLLING DISK ARRAY DEVICE

PUB. NO.: 2005-228217 [JP 2005228217 A]
PUBLISHED: August 25, 2005 (20050825)
INVENTOR(s): MUROTANI AKIRA
 ISHIKAWA ATSUSHI
 KISHIMOTO TETSUYA
APPLICANT(s): HITACHI LTD
APPL. NO.: 2004-038169 [JP 200438169]
FILED: February 16, 2004 (20040216)
INTL CLASS: G06F-012/00; G06F-003/06

ABSTRACT

PROBLEM TO BE SOLVED: To reduce storage capacity necessary for backing up a database.

SOLUTION: A disk control device comprises a **journal** writing part for writing **journal** data constituted of the identifier of logical volume of a **first storage** device 1201 in which data are written, positional information in which data in the logical volume are stored, updating time which is present time acquired from a timing means 1204, and **journal** data constituted of the data in a **third storage** device 1203 and a second writing part for referring to the updating time of the **journal** data stored in the **third storage** device 1203, selecting the **journal** data of which the difference between the present time acquired from the timer mechanism 1204 and the updating time is more than detection time stored in a memory and writing the data in a position indicated by the positional information of the logical volume of the **second storage** device 1202 in the faster order of the updating time of the selected **journal** data.

COPYRIGHT: (C)2005,JPO&NCIPI

9/5/18 (Item 18 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2006 JPO & JAPIO. All rts. reserv.

08336693 **Image available**
DATA PROCESSING SYSTEM

PUB. NO.: 2005-084953 [JP 2005084953 A]
PUBLISHED: March 31, 2005 (20050331)
INVENTOR(s): SUISHU KAZUTO
 HIRAKAWA YUSUKE
 AZUMI YOSHIHIRO
APPLICANT(s): HITACHI LTD
APPL. NO.: 2003-316183 [JP 2003316183]
FILED: September 09, 2003 (20030909)
INTL CLASS: G06F-012/00; G06F-003/06

ABSTRACT

PROBLEM TO BE SOLVED: To reduce the amount of management information needed for data duplication, while maintaining data consistency among a plurality of storage systems.

SOLUTION: A **first storage** system 100A, when updating data within the **first storage** system, updates data as the duplications of the **first storage** system held by a **third storage** system 100C and creates a **journal**. The **journal** comprises copies of the data used for updating and update information such as write instructions for updating. Further, a **second storage** system 100B holds the duplications of the data held by the **first storage** system, obtains the **journal**, and updates the data corresponding to the data in the **first storage** system in the order that the data are updated by the **first storage** system. Further, the **third storage** system creates a **journal** using the update numbers of the **first storage** system when updating data coming from the **first storage** system.

COPYRIGHT: (C)2005,JPO&NCIPI

9/5/19 (Item 19 from file: 347)

DIALOG(R)File 347:JAPIO

(c) 2006 JPO & JAPIO. All rts. reserv.

08307688 **Image available**

REMOTE COPYING SYSTEM

PUB. NO.: 2005-055948 [JP 2005055948 A]

PUBLISHED: March 03, 2005 (20050303)

INVENTOR(s): WATANABE CHIYOKUKI

APPLICANT(s): HITACHI LTD

APPL. NO.: 2003-205617 [JP 2003205617]

FILED: August 04, 2003 (20030804)

INTL CLASS: G06F-003/06; G06F-012/00; G06F-013/10

ABSTRACT

PROBLEM TO BE SOLVED: To realize n-site remote copying system which is low in cost and in processing load.

SOLUTION: A **first storage** device system is connected to a **second storage** device system via a **third storage** device system. When remote copying processing is carried out, the **first storage** device system transmits a **journal** having write data and address information showing a storage position to which the write data are written to the **third storage** device system in response to a write request for writing received from a computer, and requests the **third storage** device system to write the **journal**. The **second storage** device system receives control information including the storage position of the **journal** issued by the **first storage** device system and reads the **journal** from the **third storage** device based on the control information. The **second storage** device system writes the write data included in the **journal** to a disk in the **second storage** device system according to the address information included in the **journal**.

COPYRIGHT: (C)2005,JPO&NCIPI

9/5/20 (Item 20 from file: 347)

DIALOG(R)File 347:JAPIO

(c) 2006 JPO & JAPIO. All rts. reserv.

08270476 **Image available**

REMOTE COPY SYSTEM

PUB. NO.: 2005-018736 [JP 2005018736 A]
PUBLISHED: January 20, 2005 (20050120)
INVENTOR(s): YAMAKAMI KENJI
APPLICANT(s): HITACHI LTD
APPL. NO.: 2004-081902 [JP 200481902]
FILED: March 22, 2004 (20040322)
PRIORITY: 03 602223 [US 2003602223], US (United States of America),
June 23, 2003 (20030623)
INTL CLASS: G06F-012/00; G06F-003/06

ABSTRACT

PROBLEM TO BE SOLVED: To place a **primary storage** system and **secondary storage** system at an interval such as one hundred miles or more.

SOLUTION: A **first storage** system stores write data in a **first data volume** upon receiving a write request from a first host associated with the **first storage** system, and it generates a **journal** including control data and **journal data**. A **second storage** system includes a **journal volume**, and it receives and stores the **journal** generated by the **first storage** system. A **third storage** system includes a **second data volume**, and it receives the **journal** from the **second storage** system and stores the **journal data** of the **journal** in the **second storage** system according to information provided from the control data.

COPYRIGHT: (C) 2005, JPO&NCIPI

9/5/22 (Item 22 from file: 347)

DIALOG(R) File 347:JAPIO

(c) 2006 JPO & JAPIO. All rts. reserv.

07334602 **Image available**

FINANCE TRANSFER **JOURNALIZING** METHOD, DEVICE, AND RECORDING MEDIUM

PUB. NO.: 2002-203091 [JP 2002203091 A]
PUBLISHED: July 19, 2002 (20020719)
INVENTOR(s): WATABE SHOICHI
NEMOTO NOBUHIDE
APPLICANT(s): HITACHI CABLE LTD
APPL. NO.: 2000-404670 [JP 2000404670]
FILED: December 28, 2000 (20001228)
INTL CLASS: G06F-017/60

ABSTRACT

PROBLEM TO BE SOLVED: To remove manual labor out of a person in charge and eliminate misoperations by automatically generating consumption tax processing and a plurality of transfer **journalizing**, and also to integrate even the work of a plurality of financial accounting without consciousness by having on hand the information of accounting unit.

SOLUTION: There are provided a **first storage** part 101 for storing account drawing information of public charges added with key items of contract numbers, a **second storage** part 102 for storing financial accounting processing information of burden account titles of a drawing amount added with the key items of the contract numbers, and a **third storage** part 103 for storing finance transfer **journalizing** information.

Furthermore, there is provided a processing means 104 which retrieves the **first storage** part 101 on the basis of the keys received from requesting financial institutions to determine patterns of the contract numbers and extract the corresponding account drawing information, retrieves the **second storage** part 102 on the basis of the keys to extract the financial accounting processing information, and automatically generates a plurality of transfer and consumption tax **journalizing** from the extracted account drawing information and financial accounting processing information to store in the third store part 103.

COPYRIGHT: (C) 2002, JPO

?

File 348:EUROPEAN PATENTS 1978-2006/Feb W03

(c) 2006 European Patent Office

File 349:PCT FULLTEXT 1979-2006/UB=20060216,UT=20060209

(c) 2006 WIPO/Univentio

?

Set	Items	Description
S1	63670	(FIRST? OR 1ST OR PRIMARY OR MAIN OR MASTER OR PARENT) (3W) - (STORAGE OR VOLUME? ? OR DISK? ? OR DISC? ? OR DRIVE? ?)
S2	84948	(STORAGE OR VOLUME? ? OR DISK? ? OR DISC? ? OR DRIVE? ?) (3-W) ONE
S3	51181	(SECOND? OR 2ND) (3W) (STORAGE OR VOLUME? ? OR DISK? ? OR DISC? ? OR DRIVE? ?)
S4	35753	(STORAGE OR VOLUME? ? OR DISK? ? OR DISC? ? OR DRIVE? ?) (3-W) TWO
S5	11150	(THIRD? OR 3RD) (3W) (STORAGE OR VOLUME? ? OR DISK? ? OR DISC? ? OR DRIVE? ?)
S6	11134	(STORAGE OR VOLUME? ? OR DISK? ? OR DISC? ? OR DRIVE? ?) (3-W) THREE
S7	53581	(WRITE OR WRITING OR UPDAT??? OR CHANG??? OR MODIF???? OR - MODIFICATION OR ALTER??? OR ALTERATION OR AMEND???? OR DELET?- ?? OR ERAS????) (3N) (REQUEST? ? OR TASK? ? OR TRANSACTION? ? OR JOB? ? OR INSTRUCTION? ? OR COMMAND? ?)
S8	159	TERTIARY (3W) (STORAGE OR VOLUME? ? OR DISK? ? OR DISC? ? OR DRIVE? ?)
S9	239742	(WRITE OR WRITING OR UPDAT??? OR CHANG??? OR MODIF???? OR - MODIFICATION OR ALTER??? OR ALTERATION OR AMEND???? OR DELET?- ?? OR ERAS????) (3N) (DATA OR INFORMATION OR CONTENT? ? OR RECORD? ? OR OBJECT? ? OR ENTRY OR ENTRIES)
S10	4480	S1:S2(100N)S3:S4(100N) (S5:S6 OR S8)
S11	154995	SEQUENCE() (NUMBER? ? OR DATA OR INFORMATION OR CONTENT) OR JOURNAL?
S12	42	S1:S2(30N)S11(30N) (S5:S6 OR S8)
S13	37	S10 AND S12
S14	37	IDPAT (sorted in duplicate/non-duplicate order)

T/3,K/1,13-18,20,23,32,33,37

14/3,K/1 (Item 1 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2006 European Patent Office. All rts. reserv.

01938828

Remote storage disk control device with function to transfer commands to remote storage devices

Vorrichtung zur Steuerung einer entfernten Festplatte mit Funktion zur Übertragung von Befehlen an entfernte Speichervorrichtungen

Dispositif de controle d'un disque dur a distance avec fonction de transmission de commandes a un dispositif de stockage eloigne

PATENT ASSIGNEE:

Hitachi Ltd., (204155), 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, (JP), (Applicant designated States: all)

INVENTOR:

Kasako, Naohisa, c/o Hitachi Ltd (IPG) 5-1 Marunouchi 1-chome, Chiyoda-ku Tokyo 100-8220, (JP)

Kondo, Shuji, c/o Hitachi Ltd (IPG) 5-1 Marunouchi 1-chome, Chiyoda-ku Tokyo 100-8220, (JP)

Suzuki, Toru, c/o Hitachi Ltd (IPG) 5-1 Marunouchi 1-chome, Chiyoda-ku Tokyo 100-8220, (JP)

Koide, Takeshi, c/o Hitachi Ltd (IPG) 5-1 Marunouchi 1-chome, Chiyoda-ku Tokyo 100-8220, (JP)

LEGAL REPRESENTATIVE:

Holt, Daniel Richard et al (136361), Mewburn Ellis LLP York House 23 Kingsway, London WC2B 6HP, (GB)

PATENT (CC, No, Kind, Date): EP 1562106 A2 050810 (Basic)

EP 1562106 A3 050928

APPLICATION (CC, No, Date): EP 2005009878 040629;

PRIORITY (CC, No, Date): JP 2003400513 031128; JP 2003325082 030917

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LI; LU; MC; NL; PL; PT; RO; SE; SI; SK; TR

EXTENDED DESIGNATED STATES: AL; HR; LV; MK

RELATED PARENT NUMBER(S) - PN (AN):

EP 1517241 (EP 2004253882)

INTERNATIONAL PATENT CLASS (V7): G06F-003/06; G06F-011/20

ABSTRACT WORD COUNT: 153

NOTE:

Figure number on first page: 2

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200532	1955
SPEC A	(English)	200532	17656
Total word count - document A			19611
Total word count - document B			0
Total word count - documents A + B			19611

...SPECIFICATION processing in accordance with an embodiment of the present invention.

FIG. 12 shows a relation between a **primary volume** and a primary journal in accordance with an embodiment of the present invention.

FIG. 13 is a...

...an embodiment of the present invention.

FIG. 20 shows a flowchart of a swap processing in a **first storage** device in accordance with an embodiment of the present invention.

1. A storage system comprising:
 a **first** storage device (10) coupled to an information processing device (11) and having a first controller and a...
 ...logical volume and a second logical volume;
 the third storage device (25) comprising a plurality of third **disk drives** and a controller for controlling storage of data on said **third disk drives** ;
 said **third disk drives** corresponding to a plurality of logical volumes comprising **third** and fourth logical **volumes** ;
 wherein the second controller is arranged to receive a first command from a first storage device outside...
 ...and in response to said first command transfers at least a part of said command to the **third storage** device; and
 wherein said third controller upon receiving at least a part of said first command from said second storage device changes a second condition of said **third** and fourth logical **volumes** .
 21. A storage device group according to claim 20,
 wherein the second controller is arranged to change...
 ...said first command, in addition to transferring at least a part of said first command to the **third storage** device.

14/3,K/13 (Item 13 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2006 European Patent Office. All rts. reserv.

02021587

Storage system and data processing system

Speichersystem und Datenverarbeitungssystem

Systeme de stockage et systeme de traitement de donnees

PATENT ASSIGNEE:

Hitachi, Ltd., (5000540), 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8280, (JP), (Applicant designated States: all)

INVENTOR:

Hirakawa, Yusuke,c/o Hitachi, Ltd., Marunouchi Ctr. Bldg. 12F,6-1

Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220, (JP)

Asaka, Yoshihiro,c/o Hitachi, Ltd., Marunouchi Ctr. Bldg. 12F,6-1

Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220, (JP)

LEGAL REPRESENTATIVE:

Holt, Daniel Richard et al (136361), Mewburn Ellis LLP York House 23

Kingsway, London WC2B 6HP, (GB)

PATENT (CC, No, Kind, Date): EP 1624376 A2 060208 (Basic)

EP 1624376 A3 060215

APPLICATION (CC, No, Date): EP 2005250541 050201;

PRIORITY (CC, No, Date): JP 2004228203 040804

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;

HU; IE; IS; IT; LI; LT; LU; MC; NL; PL; PT; RO; SE; SI; SK; TR

EXTENDED DESIGNATED STATES: AL; BA; HR; LV; MK; YU

INTERNATIONAL CLASSIFICATION (V8 + ATTRIBUTES):

IPC + Level Value Position Status Version Action Source Office:

G06F-0011/20 A I F B 20060101 20051229 H EP

ABSTRACT WORD COUNT: 131

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
 FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200606	1538
SPEC A	(English)	200606	26852
Total word count - document A			28394
Total word count - document B			0
Total word count - documents A + B			28394

...SPECIFICATION that a data processing system can still provide services even if a problem has occurred in a **first** storage system. One example of technology for replicating the information stored in the first storage system to...

...first data; stores at least the first data of the generated first data set in the first **storage** region; generates a second data set containing the second data and second update data, being update data...

...second data; and stores at least the second data of the generated second data set in the **second storage** region, being a separate storage region from the **first storage** region.

The **storage** system and the other storage system may respectively be an actual storage device, or they may be systems comprising a plurality of storage devices. In the latter case, for example, the **first storage** region and the **second storage** region are respective logical volumes, and they may be storage regions provided in separate storage devices.

In...

...In this case, the control section stores the first data in the data sub-region of the **first storage** region, and stores the second data in the data sub-region of the **second storage** region.

In a second mode of implementing the present invention, in the first mode of implementation, the...

...storage system.

In a fourth mode of implementing the present invention, the storage system further comprises: a **volume** set constituted by **one** or a plurality of logical volumes for storing the data sets. The volume set is divided into...the journal read command process 240 described above, the journal to be sent is determined by the **primary** storage system 100A in accordance with the pointer information 700, but the journal to be sent may...

...3B.

If the control sub-system 101A has received a write command and write data for the **primary** logical **volume** #4P, from the host computer 180, then it stores the write data in the **primary** logical **volume** #4P in accordance with that write command. Moreover, the control sub-system 101A refers to the group...

...journal containing the update number thus ascertained, and the like. The control sub-system 101A selects a **first** journal logical **volume** forming a storage destination for the update information in the journal, and a **second** journal logical **volume** forming a storage destination for the write data in the journal, from the plurality of journal logical volumes #1A, #2A and #3A. It stores the update information contained in the generated journal in the **first** journal logical **volume** thus selected, and it stores the write data contained in the generated journal, in the **second** journal logical **volume** thus selected. A more

concrete description is given below.

Fig. 24 shows an example of the composition...

...of journal logical volumes #1A, #2A, #3A. Below, the composition of the pointer information 700A in the **primary storage** system 100A and the plurality of journal logical volumes #1A, #2A and #3A are described with reference to Fig. 24 and Fig. 25, but this description can also be applied to the **secondary storage** system 100B.

Of the plurality of information elements in the pointer information 700A, the head address of...

14/3,K/14 (Item 14 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2006 European Patent Office. All rts. reserv.

01975163

Data processing system

Datenverarbeitungssystem

Systeme de traitement de donnees

PATENT ASSIGNEE:

Hitachi Ltd., (4321784), 6-6 Marunouchi 1-chome, Chiyoda-ku, Tokyo
100-8280, (JP), (Applicant designated States: all)

INVENTOR:

Hirakawa, Yusuke, c/o Hitachi Ltd., 6-1 Marunouchi 1-chome, Chiyoda-ku,
Tokyo 100-8220, (JP)

Suishu, Kazuhito, c/o Hitachi Ltd., 6-1 Marunouchi 1-chome, Chiyoda-ku,
Tokyo 100-8220, (JP)

Asaka, Yoshihiro, c/o Hitachi Ltd., 6-1 Marunouchi 1-chome, Chiyoda-ku,
Tokyo 100-8220, (JP)

LEGAL REPRESENTATIVE:

Holt, Daniel Richard et al (136361), Mewburn Ellis LLP York House 23
Kingsway, London WC2B 6HP, (GB)

PATENT (CC, No, Kind, Date): EP 1591900 A2 051102 (Basic)

APPLICATION (CC, No, Date): EP 2005252482 050420;

PRIORITY (CC, No, Date): JP 2004133418 040428

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;
HU; IE; IS; IT; LI; LT; LU; MC; NL; PL; PT; RO; SE; SI; SK; TR

EXTENDED DESIGNATED STATES: AL; BA; HR; LV; MK; YU

INTERNATIONAL PATENT CLASS (V7): G06F-011/14

ABSTRACT WORD COUNT: 142

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200544	1966
SPEC A	(English)	200544	32586
Total word count - document A			34552
Total word count - document B			0
Total word count - documents A + B			34552

...SPECIFICATION data replication in the event of failure. By way of techniques for replication information stored in a **first** storage system to a second storage system and a third storage system, there are techniques disclosed in...

...the second storage system to create the second journal.

In accordance with the instruction from the second **storage** system for

through exchange of instructions and responses.

10. The data processing system according to claim...

...processing system according to claim 3, wherein:

the third storage system makes a read instruction to the **second storage** system, and in response thereto the **second storage** system transmits untransmitted journal data from the second journal in accordance with the identifier.

13. The data...

14/3,K/15 (Item 15 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

(c) 2006 European Patent Office. All rts. reserv.

01918595

Data mirroring system using journal data

Datenspiegelungssystem unter Verwendung von Journaldaten

Systeme d'écriture miroir comprenant l' utilisation de donnees de journal
PATENT ASSIGNEE:

Hitachi, Ltd., (204152), 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo
101-0062, (JP), (Applicant designated States: all)

INVENTOR:

Kasako, Naohisa, Hitachi Ltd. Int.Prop.Group, New Marunouchi 5-1
Marunouchi 1-chome Chiyoda-ku, Tokyo 100-8220, (JP)

LEGAL REPRESENTATIVE:

Holt, Daniel Richard et al (136361), Mewburn Ellis LLP York House 23
Kingsway, London WC2B 6HP, (GB)

PATENT (CC, No, Kind, Date): EP 1548594 A1 050629 (Basic)

APPLICATION (CC, No, Date): EP 2004252271 040416;

PRIORITY (CC, No, Date): JP 2003416414 031215

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;
HU; IE; IT; LI; LU; MC; NL; PL; PT; RO; SE; SI; SK; TR

EXTENDED DESIGNATED STATES: AL; HR; LT; LV; MK

INTERNATIONAL PATENT CLASS (V7): G06F-011/20

ABSTRACT WORD COUNT: 164

NOTE:

Figure number on first page: 25

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200526	1944
SPEC A	(English)	200526	19261
Total word count - document A			21205
Total word count - document B			0
Total word count - documents A + B			21205

...SPECIFICATION to be able to provide services to a customer even when a failure has occurred in the **first** storage system, in order to provide continual service to the customer. Technology for copying the information stored...

...area at the prescribed restore timing, and to write the produced copies of the data into the **third** data **storage** area.

The first control unit of the **first storage** system may be adapted to detect as to whether or not the journal present in the **first** journal **storage** area has been read by the second and **third storage** systems, to hold the journal present in the **first** journal **storage** area till it is read by both the second and the **third storage** system, and to

delete the journal present in the **first** journal **storage** area after the journal has been read by both the second and the **third storage** system.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is a block diagram illustrating the physical structure of...of the auxiliary storage system 100B.

In the present embodiment, the primary storage system 100A acquires the **journals**, the auxiliary storage system 100B reads the journals from the primary storage system 100A, and data copying...

...storage system 100A and the auxiliary storage system 100B are connected by the connection path 200. The **third storage** system 100C comprises original logical volumes ("ORG 1", "ORG 2", and the like) 230 holding respective data on the source of data in the **primary logical volumes** "DATA 1", "DATA 2", and the like) 230 in the **primary storage** system 100A.

The **third storage** system 100C updates the data (original data) in the required original logical volume (for example, "ORG 1") 230 in response to a data write command from the host computer 180. At this time, the **third storage** system 100C not only updates the original data present in the original logical volume (for example, "ORG 1") 230, but also sends to the **primary storage** system 100A the data write command for updating the data present in the **primary logical volume** ("DATA 1") 230 corresponding to the original data of the update object (step 2310).

The **primary storage** system 100A, as was explained in the first embodiment, receives the aforesaid data write command, updates the...

...volumes.

In the data processing system shown in FIG. 23, the primary storage system 100A acquires the **journals** and stores them in a storage area specifically allocated for journals. Furthermore, the auxiliary storage system 100B...

...configuration that has already been explained with reference to FIG. 1. The host computer 180 and the **third storage** system 100C are connected by the connection path 190, the **third storage** system 100C and the **primary storage** system 100A are connected by the connection path 200, and the **primary storage** system 100A and the auxiliary storage system 100B are connected by the connection path 200.

The **primary storage** system 100A shows the **third storage** system 100C as if the **primary logical volumes** ("DATA 1", "DATA 2", and the like) are present, but does not allocate the actual physical storage area, that is, the physical storage unit 150, for the **primary logical volumes** ("DATA 1", "DATA 2", and the like). For example, the prescribed numerical value is set, this value...

...allocated from the physical addresses of each primary logical volume in the volume information 400. Therefore, the **primary logical volumes** ("DATA 1", "DATA 2", and the like) in the primary storage system 100A are virtual...

...the primary storage system 100A were saved, and the actual physical storage areas are allocated thereto.

The **third storage** system 100C updates the data (original data) of the required original logical volume (for example, "ORG 1") in response to the data write command from the host computer 180. At this time, the **third storage** system 100C not only updates the original data, but also

storage system, and controls the time interval of said journal read according to the management information relating to said **first** journal **storage** area that was read out.

14/3,K/16 (Item 16 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2006 European Patent Office. All rts. reserv.

01852253

Remote copy system

Fernkopiersystem

Système de copie a distance

PATENT ASSIGNEE:

Hitachi, Ltd., (204145), 6 Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo 101-8010, (JP), (Applicant designated States: all)

INVENTOR:

Watanabe, Naoki, Hitachi, Ltd., New Marunouchi Bldg. 1-5-1, Marunouchi Chiyoda-ku, Tokyo 100-8220, (JP)

LEGAL REPRESENTATIVE:

Strehl Schubel-Hopf & Partner (100941), Maximilianstrasse 54, 80538 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1505504 A2 050209 (Basic)

APPLICATION (CC, No, Date): EP 2003021756 030925;

PRIORITY (CC, No, Date): JP 2003205617 030804

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LI; LU; MC; NL; PT; RO; SE; SI; SK; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK

INTERNATIONAL PATENT CLASS (V7): G06F-011/08

ABSTRACT WORD COUNT: 157

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200506	1947
SPEC A	(English)	200506	15062
Total word count - document A			17009
Total word count - document B			0
Total word count - documents A + B			17009

...ABSTRACT A2

A **first storage** unit system (104a) and a **second storage** unit system (104b) are connected together via a third storage unit system (104c). When executing a remote copy process, the **first storage** unit system responds to a write request received from a computer (102a) to transmit to the third...

...information indicative of a storage position at which the write data is written and requests the third **storage** unit system to write the journal. The **second storage** unit system receives control information (107a) issued by the **first storage** unit system and including the storage position of the journal and on the basis of the control information, reads the journal from the **third storage** unit system. Then, the **second storage** unit system follows address information contained in the journal to write the write date contained in the journal to a disk (210b) inside the **second storage** unit system.

...SPECIFICATION the applicant proposes a technique suitable for remote

secondary control information area 302 for storing (secondary --> primary) control information 107 addressed from **secondary storage** subsystem 104b to **primary storage** subsystem 104a. The **primary storage** subsystem 104a has the ownership of the primary control information area 301 and the **secondary storage** subsystem 104b has the ownership of the secondary control information area 302, thereby preventing data inconsistency from...

...CLAIMS A2

1. A system comprising:

a **first** storage unit system (104a) connected to a computer (102a) and having a first disk device (210a) and...

...claim 13,

wherein said system further comprises a fourth storage unit system (104d) connected to said **first storage** unit system (104a) and said second storage unit system (104b) ; and

wherein when a fault takes place in said **third storage** unit system (104c), said **first** and second **storage** unit systems transmit/receive a journal and first control information therebetween through said fourth storage unit system...

...to claim 13,

wherein said system further comprises a fourth storage unit system (104d) connected to said **first storage** unit system and said second storage unit system;

wherein said journal writing step has a step of causing said **first storage** unit system to write a journal having time information to either of said **third** and fourth **storage** unit systems; and

wherein said second controller (201b) acquires the **journal** from said **third** and fourth **storage** unit systems and writes write data contained in the acquired **journal** to said second disk device in order of times indicated by said time information assigned to said **journal** .

14/3,K/17 (Item 17 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2006 European Patent Office. All rts. reserv.

01836966

Data mirroring system using journal data

Datenspiegelungssystem unter Verwendung von Journaldaten

Systeme d'écriture miroir comprenant l' utilisation de donnees de journal

PATENT ASSIGNEE:

Hitachi, Ltd., (204152), 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo 101-0062, (JP), (Applicant designated States: all)

INVENTOR:

Suishu, Kazuhito c/o Hitachi, Ltd. I.P.G., New Marunouchi Bldg, 5-1 Marunouchi 1 chome, chiyoda-ku Tokyo 100-8220, (JP)

Hirakawa, Yusuke c/o Hitachi, Ltd. I.P.G., New Marunouchi Bldg, 5-1 Marunouchi 1 chome, chiyoda-ku Tokyo 100-8220, (JP)

Asaka, Yoshihiro c/o Hitachi, Ltd. I.P.G., New Marunouchi Bldg, 5-1 Marunouchi 1 chome, chiyoda-ku Tokyo 100-8220, (JP)

LEGAL REPRESENTATIVE:

Holt, Daniel Richard et al (136361), Mewburn Ellis LLP York House 23
 Kingsway, London WC2B 6HP, (GB)
 PATENT (CC, No, Kind, Date): EP 1494120 A2 050105 (Basic)
 EP 1494120 A3 050216
 APPLICATION (CC, No, Date): EP 2004252272 040416;
 PRIORITY (CC, No, Date): JP 2003183734 030627; JP 2003316183 030909
 DESIGNATED STATES: DE; FR; GB
 EXTENDED DESIGNATED STATES: AL; HR; LT; LV; MK
 INTERNATIONAL PATENT CLASS (V7): G06F-011/20
 ABSTRACT WORD COUNT: 214
 NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
 FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200501	2955
SPEC A	(English)	200501	18744
Total word count - document A			21699
Total word count - document B			0
Total word count - documents A + B			21699

...ABSTRACT A2

A data processing system includes at least a **first** storage system, a second storage system and a third storage system. The third storage system maintains a...

...data stored in the first storage system in the order of data update performed in the first **storage** system. When updating data stored in the third **storage** system corresponding to data stored in the **first storage** system, the **third storage** system creates a journal using data update numbers created in the **first storage** system. When the **first storage** system fails, the second storage system obtains the journal from the **third storage** system, and updates data stored therein corresponding to data stored in the **first storage** system in the order of data update performed in the **first storage** system.

...SPECIFICATION it possible for a data processing system to provide services even when a failure occurs in a **first** storage system. There have been technologies for replicating information stored in the first storage system on second...

...on this occasion includes an update number or an update time that was used when the first **storage** system created the journal. When the data is updated, the second storage system creates update information using the update number or the update time it received from the **first storage** system and stores the update information as a journal in a storage area dedicated to journals.

In the event the **first storage** system fails, the **third storage** system obtains via a communications line between the second storage system and the **third storage** system only those **journals** that the **third storage** system does not have and updates data that correspond to data in the **first storage** system in the order of data update in the **first storage** system.

Thus, the amount of management information requirement for data replication may be reduced while maintaining data...

...CLAIMS A2

1. A data processing system comprising:
 a **first** storage system that is connected to a host device and sends

storage area in the **second** storage system.

39. A data processing system according to claim 37, wherein the **second** storage system generates, upon receiving a data write request from the second host device, an update number that...

14/3,K/18 (Item 18 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

(c) 2006 European Patent Office. All rts. reserv.

01781929

Data processing system with improved data transfer

Datenverarbeitungssystem mit verbessertem Datentransfer

Systeme de traitement de donnees avec un transfert de donnees ameliore

PATENT ASSIGNEE:

Hitachi, Ltd., (204151), 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo 101-8010, (JP), (Applicant designated States: all)

INVENTOR:

Takeda, Takahiko, Hitachi, Ltd., Intell. Prop. Gr., New Marunouchi Bldg.,

5-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220, (JP)

Asaka, Yoshihiro, Hitachi, Ltd., Intell. Prop. Gr., New Marunouchi Bldg.,

5-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220, (JP)

Yamagami, Kenji, Hitachi, Ltd., Intell. Prop. Gr., New Marunouchi Bldg.,

5-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220, (JP)

Suzuki, Katsuyoshi, Hitachi, Ltd., Intel. Prop. Gr., New Marunouchi Bldg.,

5-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220, (JP)

Shirogane, Tetsuya, Hitachi, Ltd., Intel. Prop. Gr., New Marunouchi Bldg.,

5-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220, (JP)

LEGAL REPRESENTATIVE:

Strehl Schubel-Hopf & Partner (100941), Maximilianstrasse 54, 80538

Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1455265 A2 040908 (Basic)

EP 1455265 A2 040908

EP 1455265 A3 050216

APPLICATION (CC, No, Date): EP 2003013273 030612;

PRIORITY (CC, No, Date): JP 200350244 030227

DESIGNATED STATES: DE; FR; GB

EXTENDED DESIGNATED STATES: AL; LT; LV; MK

INTERNATIONAL PATENT CLASS (V7): G06F-003/06; G06F-011/20

ABSTRACT WORD COUNT: 167

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200437	2107
SPEC A	(English)	200437	12943
Total word count - document A			15050
Total word count - document B			0
Total word count - documents A + B			15050

...SPECIFICATION primary host 100A or secondary host 100B decide that the journal data to be transferred to the **secondary** journal volume is not contained in the journal data area of the primary journal volume.

Next, pointers...the data processing system to which this invention is applied. Unlike the foregoing embodiments described previously, the **primary** storage system 10 is coupled to a plurality of **secondary** storage systems 20 and 30 in this embodiment.

In this embodiment, the journal corresponding PVOL 2212 of the **primary**

disk array device 200A is transferred to the **secondary** journal **volume** corresponding to SVOL 2214B of the storage system 20 and to the **secondary** journal **volume** corresponding to SVOL 2214C of the storage system 30, respectively, for the restore process. Further, initial copy ...

...2214B and to SVOL 2214C, respectively. Those processes are executed upon receipt of read commands from each **secondary disk** array device or issuance of write commands from the **primary disk** array device to the **secondary disk** array devices. Thereby, replication of the data stored in the primary site can be created in the...

...CLAIMS A2

1. A data processing system, comprising:

a **first** storage system including a first host and a first storage subsystem, the first host having access to...

...the secondary storage subsystem including a third storage for receiving and storing the journal from the primary **storage** subsystem and a fourth storage for storing data that has been restored using the journal received from the **primary storage** subsystem, the restored data being a copy of the data stored in the **first storage** area;
a first communication link coupling the primary host and the secondary host to exchange management information; and
a second communication link coupling the **primary storage** subsystem and the secondary storage subsystem to exchange data between the **primary** and secondary **storage** subsystems, wherein the primary host is configured to provide management information about the journal stored in the...

...to instruct the secondary storage subsystem to obtain the restored data from the journal received from the **primary storage** subsystem upon receiving a notification that a receipt of the journal has been completed from secondary storage subsystem,

wherein the **primary storage** subsystem is configured to retrieve the journal from the second storage area and transfer the journal to the secondary **storage** system via the second communication link upon receiving a data transfer request or determining a predetermined condition has been satisfied.

20. The data processing system of claim 19, wherein the **primary storage** subsystem is manufactured by a first vendor and the secondary subsystem is manufactured by a second vendor...

14/3,K/20 (Item 20 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2006 European Patent Office. All rts. reserv.

01540438

Data storage system with remote copy control method

Datenspeichersystem mit Fernkopierkontrollverfahren

Systeme de stockage de donnees avec un procede de controle de copie a distance

PATENT ASSIGNEE:

Hitachi, Ltd., (204151), 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo 101-8010, (JP), (Applicant designated States: all)

INVENTOR:

Nakano, Toshio, c/oHitachi Ltd. New Marunouchi Bld, 5-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220, (JP)

Nakamura, Katsunori, c/oHitachi Ltd. New Maru. Bld, 5-1, Marunouchi
 1-chome, Chiyoda-ku, Tokyo 100-8220, (JP)
 Ogata, Mikito, c/oHitachi Ltd. New Marunouchi Bldg, 5-1, Marunouchi
 1-chome, Chiyoda-ku, Tokyo 100-8220, (JP)
 Okami, Yoshinori, c/oHitachi Ltd. New Marunou. Bld, 5-1, Marunouchi
 1-chome, Chiyoda-ku, Tokyo 100-8220, (JP)
 Higaki, Seiichi, c/oHitachi Ltd. New Marunou. Bldg, 5-1, Marunouchi
 1-chome, Chiyoda-ku, Tokyo 100-8220, (JP)

LEGAL REPRESENTATIVE:

Strehl Schubel-Hopf & Partner (100941), Maximilianstrasse 54, 80538
 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1283469 A2 030212 (Basic)

APPLICATION (CC, No, Date): EP 2002005040 020306;

PRIORITY (CC, No, Date): JP 2001240072 010808; JP 200219971 020129

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
 LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS (V7): G06F-011/20

ABSTRACT WORD COUNT: 111

NOTE:

Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200307	4353
SPEC A	(English)	200307	16464
Total word count - document A			20817
Total word count - document B			0
Total word count - documents A + B			20817

...SPECIFICATION the storage sub-system 2 is recovered and the temporary operation is changed to the normal operation.

First , the **storage** sub-system 1 copies, to the logical volume (**second storage** resource) of the storage sub-system 2, all the data stored in the logical volume (**first storage** resource) of the storage sub-system 1, and initiates the operation using synchronous transfers whereby data is 1 to the storage sub-system 2. Specifically, when data is written to the logical volume (**first storage** resource) upon receiving an instruction from the host, the storage sub-system 1 transmits the written data...

...to the storage sub-system 2.

The storage sub-system 2 writes, to the logical volume thereof (**second storage** resource), the data and the sequence number that are received from the storage sub-system 1. When...

...stores (in a predetermined table) the write location information, which specifies the location in the logical volume (**second storage** resource) wherein data has been written, together with the sequence number provided in the data writing order...

...storage sub-system 1, the storage sub-system 3 stores the data in the logical volume thereof (**third storage** resource) (Fig. 18), and transmits the correlated sequence number to the storage sub-system 2 (not shown...

...and writes the target data to the logical volume thereof (first storage resource). At this time, the **sequence number** is stored (in a predetermined table) in correlation with the write position information

19 to 21, wherein synchronous transfer is employed for the operation of said **first storage** sub-system and said second storage sub-system, and wherein asynchronous transfer is employed for the operation of said **first storage** sub-system and said **third storage** sub-system.

23. A remote copy control method according to one of claims 15 to 21, wherein said second storage sub-system or said **third storage** sub-system stores data at a storage location in said second storage resource or said **third storage** resource that corresponds to said write position information stored in said **first storage** sub-system.
24. A remote copy control method, for a large area data storage system having a...to said transmission destination.
31. A storage sub-system for a large data storage system including a **first storage** sub-system that includes means for writing data to a first storage resource and that is...

...data and said correlation that have been received, and transmitting said data and said correlation to said **third storage** sub-system;
 means for receiving said data and said correlation, storing said data in said **third storage** resource and transmitting, to said **first storage** sub-system, said **sequence number** in accordance with said correlation; and
 means for employing said received sequence and a correlation stored therein to obtain data that has not yet been reflected to said **third storage** resource.

32. A storage sub-system for a storage sub-system A that includes means for writing...

...to said transmission destination.

33. A storage sub-system for a large data storage system including a **first storage** sub-system that includes means for writing data to a first storage resource and that is...

...information, which specifies a position in said storage resource whereat said data has been written, and a **sequence number** that is provided in the data writing order, and for storing said data and said correlation in said **first storage** resource;
 means for receiving a **sequence number** from said **third storage** sub-system, and for employing said **sequence number** and said correlation stored therein to obtain written data that has not yet been reflected to said **third storage** sub-system.

34. A storage sub-system for a large area data storage system having a storage...

14/3,K/23 (Item 23 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

(c) 2006 European Patent Office. All rts. reserv.

01046960

Recording apparatus, recording/reproducing apparatus and recording method
Aufnahmegerat, Aufnahme-/Wiedergabegerat und Aufnahmeverfahren
Appareil d'enregistrement, appareil d'enregistrement et de reproduction et
procede d'enregistrement

PATENT ASSIGNEE:

SONY CORPORATION, (214024), 7-35, Kitashinagawa 6-chome Shinagawa-ku,
 Tokyo, (JP), (applicant designated states:

AT;BE;CH;CY;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

INVENTOR:

Katsuki, Shinji, C/O Sony Corp., 7-35 Kitashinagawa 6-chome,
Shinagawa-ku, Tokyo, (JP)
Kawakami, Takashi, C/O Sony Corp., 7-35 Kitashinagawa 6-chome,
Shinagawa-ku, Tokyo, (JP)

LEGAL REPRESENTATIVE:

Melzer, Wolfgang, Dipl.-Ing. et al (8278), Patentanwälte Mitscherlich &
Partner, Sonnenstrasse 33, 80331 München, (DE)

PATENT (CC, No, Kind, Date): EP 926904 A2 990630 (Basic)

APPLICATION (CC, No, Date): EP 98124567 981222;

PRIORITY (CC, No, Date): JP 36011197 971226

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE

INTERNATIONAL PATENT CLASS (V7): H04N-009/806;

ABSTRACT WORD COUNT: 97

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9926	1091
SPEC A	(English)	9926	15408
Total word count - document A			16499
Total word count - document B			0
Total word count - documents A + B			16499

...SPECIFICATION data continuously along the time axis in an area stretched over the same plurality of discs. The **sequence** numbers indicate the order of discs in which data is recorded on the discs. When data is recorded on **first** to Nth discs , for example, continuous-recording disc numbers #1, #2, #3, ---, #N are assigned to the **first** , **second** , **third** , ---, Nth discs respectively.

2. Succeeding-disc link number: A number assigned to each of a plurality of discs and...

...of discs. A unique ID is assigned to each of the discs. In the case of the **second disc** , for example, the preceding-disc ID is the unique ID assigned to the **first disc** . In the case of the **third** or subsequent **disc** , the preceding-disc ID is the unique ID assigned to the **second disc** or a subsequent disc and so on. It should be noted that a unique ID assigned to...

...be displayed with ease typically in terms of characters. For example, possible disc names assigned to the **first** , **second** and **third discs** and so on are respectively "****", "****2", and "****3" et cetera. A disc name can be read out...

...conforms to the disc name described above. If the name assigned to a file recorded on the **first disc** is "****", for example, names "****-2", "****-3" and so on are assigned to the same file on the consecutive **second** and **third discs** et cetera respectively. A file name can be read out from the disc and displayed on the...

14/3,K/32 (Item 32 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2006 WIPO/Univentio. All rts. reserv.

01273719 **Image available**

MACHINE-IMPLEMENTED ACTIVITY MANAGEMENT SYSTEM USING ASYNCHRONOUSLY SHARED
ACTIVITY DATA OBJECTS AND JOURNAL DATA ITEMS
SYSTEME DE GESTION D'ACTIVITES MIS EN OEUVRE PAR MACHINE UTILISANT DES
OBJETS DE DONNEES D'ACTIVITES ET DES ELEMENTS DE DONNEES DE JOURNAL A

PARTAGE ASYNCHRONE

Patent Applicant/Inventor:

FEINSMITH Jason, 1085 Tasman Drive, #885, Sunnyvale, CA 94089, US, US
(Residence), US (Nationality), (Designated for all)

Legal Representative:

GIMLAN Gideon (agent), 1762 Technology Drive, Suite 226, San Jose, CA
95110, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200579405 A2-A3 20050901 (WO 0579405)

Application: WO 2005US4785 20050216 (PCT/WO US2005004785)

Priority Application: US 2004782414 20040218

Designated States:

(All protection types applied unless otherwise stated - for applications
2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
RU SC SD SE SG SK SL SM SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM
ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LT LU MC NL PL
PT RO SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 87086

Fulltext Availability:

Detailed Description

Detailed Description

... the ACMAN system

performance or provide other benefits. Within the Activities Folder 315,
there may be a **first** storage area 315a that includes ADOs, if any, for
Max's embedded activity tree.

There can be...

...is used for storing "foyered" ones, if any, of Adam's ADOs. There can be
yet a **third** or more **storage** areas 315c that are used for storing
"foyered" ones of ADO's belonging to yet other respective...

...315 is intended as a logical distinction, whose ramifications will
become more apparent later in the disclosure. **Journal** Folder 316 area
might store unstructured **Journal** Data Items and other **journal** related
information as later explained in Fig. 1 0. Similar to section 31 5, the
Journal Folder might contain a **first storage** area 316a for Max's
embedded **journal** data items, if any. There can be yet a **second**
storage area 316b that is used for storing "foyered" ones, if any, of
Adam's **journal** data items. There can be yet a **third** or more ☐storage[□]
areas 316c that are used for storing "foyered" ones of JDI's belonging to
yet other respective...

14/3,K/33 (Item 33 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

(c) 2006 WIPO/Univentio. All rts. reserv.

01196324 **Image available**

A RECORDING MEDIUM, METHOD OF CONFIGURING CONTROL INFORMATION THEREOF,

METHOD FOR RECORDING OR REPRODUCING DATA USING THE SAME, AND APPARATUS THEREOF

SUPPORT D'ENREGISTREMENT, PROCEDE DE CONFIGURATION DE DONNEES DE COMMANDE DU SUPPORT D'ENREGISTREMENT, PROCEDE D'ENREGISTREMENT ET DE LECTURE DE DONNEES UTILISANT LE SUPPORT D'ENREGISTREMENT, ET APPAREIL ASSOCIE

Patent Applicant/Assignee:

LG ELECTRONICS INC, 20, Yoido-dong, Youngdungpo-gu, Seoul 150-721, KR, KR (Residence), KR (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

KIM Jin Yong, 109-602, Sunkyung APT., Topmaeul, Yatap-dong, Bundang-gu, Seongnam-si, Gyeonggi-do 463-928, KR, KR (Residence), KR (Nationality), (Designated only for: US)

SUH Sang Woon, 10-709, Hyundai APT., 1346, Seocho 2(i)-dong, Seocho-gu, Seoul 137-861, KR, KR (Residence), KR (Nationality), (Designated only for: US)

Legal Representative:

BAHNG Hae Cheol (et al) (agent), Kims International Patent & Law Office, 15th Floor Yo Sam Building, 648-23, Yeoksam-dong, Kangnam-gu, Seoul 135-080, KR,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200504134 A1 20050113 (WO 0504134)

Application: WO 2004KR1488 20040621 (PCT/WO KR04001488)

Priority Application: KR 1020030045825 20030707; KR 1020030048747 20030716; KR 1020030056540 20030814

Designated States:

(All protection types applied unless otherwise stated - for applications 2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KZ LC LK
LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU
SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 8676

Fulltext Availability:

Detailed Description

Detailed Description

... four bits

indicate each recording velocity information. Specifically, 15 0000b indicating 1x-speed is written in the **first disc** information, 0010b, indicating 2x-speed is written in the **second disc** information, 0100b indicating 4x-speed is written in the third **disc** information, and 1000b indicating 8x-speed is written in the fourth disc information.

20 FIG. 4C exemplarily...

...to a corresponding recording velocity

in the corresponding recording layer, is then configured.

Hence, if an optical **disc** includes **two** recording layers and each recording layer requires four different recording velocity information, eight disc information are needed...

i.e., the Nth (N+4)th bytes and the Mth'111th bytes, respectively; the **second disc** information is 2x-speed disc information of the first recording layer, its sequence number corresponding to 01h, and the corresponding recording velocity and write strategy are written in similarly reserved locations; and the **third disc** information is 6x-speed disc information of the first recording layer, its sequence number corresponding to 02h...

...fourth embodiment of the present invention, a plurality of recording velocity information are all included in one **disc** information, but **one** write strategy associated with specific recording velocity information can be written in one disc information with the...

14/3,K/37 (Item 37 from file: 349)

DIALOG(R) File 349:PCT FULLTEXT

(c) 2006 WIPO/Univentio. All rts. reserv.

00461595 **Image available**

CIRCUIT HANDLING METHOD AND APPARATUS

PROCEDE ET APPAREIL DE MANIPULATION DE CIRCUITS

Patent Applicant/Assignee:

CETELAB AB,

GUSTAFSSON Anders,

Inventor(s):

GUSTAFSSON Anders,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9852059 A1 19981119

Application: WO 98SE853 19980508 (PCT/WO SE9800853)

Priority Application: SE 971849 19970516

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM
GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX
NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH
GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES
FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD
TG

Publication Language: English

Fulltext Word Count: 2580

Fulltext Availability:

Detailed Description

Detailed Description

... the apparatus taken along

line III-III in Fig. 2 and showing an axial view of a **first** cam disc and associated arresting means;

Fig. 4 is a section through the apparatus taken along line IV-IV in Fig. 2 and showing an axial view of a **second cam disc** and associated lateral displacement means;

Fig. 5 is a section through the apparatus taken along line V...stand 10

and has a shaft 12. A coaxial extension 13 of the shaft carries is a **first cam disc** 14, a **second cam disc** 15 and a third cam disc 16. The shaft extension 13 is journaled in a bearing 17...

...1
and 2.
The particular shapes of the cam discs appear particularly from
Fig. 3 - 5.

The **first** cam **disc** 14 shown in Fig. 3 is an originally circular
disc having a portion of its circumference cut...

...in
the radial direction of the disc) substantially corresponding
to the thickness of a chip 20.

The **second** cam **disc** 15 shown in Fig. 4 is a circular disc
eccentrically mounted on the shaft 13.

The third...

...along a chord so as to
provide a flat cam surface 24 (Fig. 5).

Opposite to the **first** cam **disc** 14 there is provided in the
stand 11 an opening 25. Through this opening the **first** cam **disc**
14 extends into the feeding chute 20 with its un-cut peripheral
portion a distance corresponding to...

...from the shaft towards the feeding chute, whereas movement in
an opposite direction is controlled by the **second** cam **disc** 15.
Fig. 4 shows the positions of the body 26 and the cam disc 15
where the...

?

File 8: Ei Compendex(R) 1970-2006/Feb W2
 (c) 2006 Elsevier Eng. Info. Inc.
 File 35: Dissertation Abs Online 1861-2006/Jan
 (c) 2006 ProQuest Info&Learning
 File 65: Inside Conferences 1993-2006/Feb W3
 (c) 2006 BLDSC all rts. reserv.
 File 2: INSPEC 1898-2006/Feb W2
 (c) 2006 Institution of Electrical Engineers
 File 94: JICST-EPlus 1985-2006/Nov W4
 (c) 2006 Japan Science and Tech Corp(JST)
 File 6: NTIS 1964-2006/Feb W1
 (c) 2006 NTIS, Intl Cpyrght All Rights Res
 File 144: Pascal 1973-2006/Jan W5
 (c) 2006 INIST/CNRS
 File 434: SciSearch(R) Cited Ref Sci 1974-1989/Dec
 (c) 1998 Inst for Sci Info
 File 34: SciSearch(R) Cited Ref Sci 1990-2006/Feb W3
 (c) 2006 Inst for Sci Info
 File 99: Wilson Appl. Sci & Tech Abs 1983-2006/Jan
 (c) 2006 The HW Wilson Co.
 File 266: FEDRIP 2005/Dec
 Comp & dist by NTIS, Intl Copyright All Rights Res
 File 95: TEME-Technology & Management 1989-2006/Feb W3
 (c) 2006 FIZ TECHNIK
 ?

Set	Items	Description
S1	21005	(FIRST? OR 1ST OR PRIMARY OR MAIN OR MASTER OR PARENT) (3W) - (STORAGE OR VOLUME? ? OR DISK? ? OR DISC? ? OR DRIVE? ?)
S2	22433	(STORAGE OR VOLUME? ? OR DISK? ? OR DISC? ? OR DRIVE? ?) (3- W) ONE
S3	12832	(SECOND? OR 2ND) (3W) (STORAGE OR VOLUME? ? OR DISK? ? OR DI- SC? ? OR DRIVE? ?)
S4	29708	(STORAGE OR VOLUME? ? OR DISK? ? OR DISC? ? OR DRIVE? ?) (3- W) TWO
S5	2679	(THIRD? OR 3RD) (3W) (STORAGE OR VOLUME? ? OR DISK? ? OR DIS- C? ? OR DRIVE? ?)
S6	15077	(STORAGE OR VOLUME? ? OR DISK? ? OR DISC? ? OR DRIVE? ?) (3- W) THREE
S7	193374	SEQUENCE() (NUMBER? ? OR DATA OR INFORMATION OR CONTENT) OR JOURNAL?
S8	3	S1:S2 AND S3:S4 AND S5:S6 AND S7
S9	9	S1:S2 AND S5:S6 AND S7
S10	8	RD (unique items)

10/TI/1 (Item 1 from file: 8)
DIALOG(R)File 8:(c) 2006 Elsevier Eng. Info. Inc. All rts. reserv.

Title: Ecological Modelling: Editorial overview 2000-2005

10/TI/2 (Item 2 from file: 8)
DIALOG(R)File 8:(c) 2006 Elsevier Eng. Info. Inc. All rts. reserv.

Title: TRYING A TRICKLING FILTER ON INDUSTRIAL WASTE.

10/TI/3 (Item 1 from file: 35)
DIALOG(R)File 35:(c) 2006 ProQuest Info&Learning. All rts. reserv.

EL "DIARI CATALA" PLATAFORMA D'EXPOSICIO IDEOLOGICA I D'ACTIVISME DEL CATALANISME POLITIC (1879-1881)

Original Title: THE "CATALA NEWSPAPER": PLATFORM TO EXPOSE THE IDEOLOGY AND ACTIVISM OF CATALONIA POLITICS (1879-1881) (SPAIN)

10/TI/4 (Item 2 from file: 35)
DIALOG(R)File 35:(c) 2006 ProQuest Info&Learning. All rts. reserv.

RICHARD HUGHES: NOVELIST AND MAN OF LETTERS

10/TI/5 (Item 3 from file: 35)
DIALOG(R)File 35:(c) 2006 ProQuest Info&Learning. All rts. reserv.

IDEOLOGY AND FICTION IN THE NOVELS OF ANGEL SAMBLANCAT (1922-1945)
(SAMBLANCAT ANGEL)

Original Title: IDEARIO Y FICCION EN LA OBRA NOVELISTICA DE ANGEL SAMBLANCAT

10/TI/6 (Item 1 from file: 2)
DIALOG(R)File 2:(c) 2006 Institution of Electrical Engineers. All rts. reserv.

Title: Biotechnology Citation Index (CD-ROM database)

10/TI/7 (Item 1 from file: 6)
DIALOG(R)File 6:(c) 2006 NTIS, Intl Cpyrght All Rights Res. All rts. reserv.

Effects of Radiation on Electronics--Additional References: A bibliography with abstracts covers literature from 1984 and 1985
(NTIS Tech Note)

10/TI/8 (Item 2 from file: 6)
DIALOG(R)File 6:(c) 2006 NTIS, Intl Cpyrght All Rights Res. All rts. reserv.

The English Word Speculum. Volume I. The Random Word List

File 275:Gale Group Computer DB(TM) 1983-2006/Feb 23
 (c) 2006 The Gale Group
 File 621:Gale Group New Prod.Annou.(R) 1985-2006/Feb 23
 (c) 2006 The Gale Group
 File 636:Gale Group Newsletter DB(TM) 1987-2006/Feb 23
 (c) 2006 The Gale Group
 File 16:Gale Group PROMT(R) 1990-2006/Feb 24
 (c) 2006 The Gale Group
 File 160:Gale Group PROMT(R) 1972-1989
 (c) 1999 The Gale Group
 File 148:Gale Group Trade & Industry DB 1976-2006/Feb 23
 (c)2006 The Gale Group
 File 624:McGraw-Hill Publications 1985-2006/Feb 24
 (c) 2006 McGraw-Hill Co. Inc
 File 15:ABI/Inform(R) 1971-2006/Feb 24
 (c) 2006 ProQuest Info&Learning
 File 647:CMP Computer Fulltext 1988-2006/Mar W1
 (c) 2006 CMP Media, LLC
 File 674:Computer News Fulltext 1989-2005/Oct W2
 (c) 2005 IDG Communications
 File 696:DIALOG Telecom. Newsletters 1995-2006/Feb 23
 (c) 2006 Dialog
 File 369:New Scientist 1994-2006/Aug W4
 (c) 2006 Reed Business Information Ltd.
 File 810:Business Wire 1986-1999/Feb 28
 (c) 1999 Business Wire
 File 813:PR Newswire 1987-1999/Apr 30
 (c) 1999 PR Newswire Association Inc
 File 610:Business Wire 1999-2006/Feb 24
 (c) 2006 Business Wire.
 File 613:PR Newswire 1999-2006/Feb 24
 (c) 2006 PR Newswire Association Inc
 ?

Set	Items	Description
S1	127529	(FIRST? OR 1ST OR PRIMARY OR MAIN OR MASTER OR PARENT) (3W) - (STORAGE OR VOLUME? ? OR DISK? ? OR DISC? ? OR DRIVE? ?)
S2	106234	(STORAGE OR VOLUME? ? OR DISK? ? OR DISC? ? OR DRIVE? ?) (3- W)ONE
S3	48563	(SECOND? OR 2ND) (3W) (STORAGE OR VOLUME? ? OR DISK? ? OR DI- SC? ? OR DRIVE? ?)
S4	70992	(STORAGE OR VOLUME? ? OR DISK? ? OR DISC? ? OR DRIVE? ?) (3- W)TWO
S5	26057	(THIRD? OR 3RD) (3W) (STORAGE OR VOLUME? ? OR DISK? ? OR DIS- C? ? OR DRIVE? ?)
S6	39680	(STORAGE OR VOLUME? ? OR DISK? ? OR DISC? ? OR DRIVE? ?) (3- W)THREE
S7	1079426	SEQUENCE() (NUMBER? ? OR DATA OR INFORMATION OR CONTENT) OR JOURNAL?
S8	26	S1:S2(50N)S7(50N)S5:S6
S9	24	RD (unique items)

T/3,K/ALL

9/3,K/1 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2006 The Gale Group. All rts. reserv.

01579925 SUPPLIER NUMBER: 13055949 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Spin doctor: CD-ROM. (Software Review) (new CD-ROM products for microcomputers) (Evaluation)
Blackford, John
Computer Shopper, v13, n1, p622(2)
Jan, 1993
DOCUMENT TYPE: Evaluation ISSN: 0886-0556 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1203 LINE COUNT: 00093

... Holmes, Consulting Detective. (For a review of Volume I, see the September 1992 article, "PC Multimedia Entertainment.")

Volume II contains **three** brand-new cases to solve: The Two Lions, The Pilfered Paintings, and The Murdered Munitions Magnate. Otherwise, it's identical to the **first volume**, with the same video introduction and the same group of associates, including a forensic specialist, **journalists**, Scotland Yard officials, and the Baker Street Irregulars (Holmes' special group of street watchers).

As a game...

9/3,K/2 (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2006 The Gale Group. All rts. reserv.

01314597 SUPPLIER NUMBER: 07864756 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Technical correspondence.
Udupa, Jayaram K.; Herman, Gabor T.
Communications of the ACM, v32, n11, p1364(4)
Nov, 1989
ISSN: 0001-0782 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 2823 LINE COUNT: 00227

... surface rendering. It is indeed such a mode that is discussed in Frenkel's article:

the particular **volume** -rendering methodology is **one** which somehow blends together into a single color for a pixel on the display screen information from all volume elements encountered by a line emanating from this pixel. The **volume** elements of the **three** -dimensional array are assigned colors and opacities (based on their original values) and the renderer does a...

...to mean this approach.

We feel that it should be counter to the policies of a reputed **journal** such as Communications to publish an editorial article which is an uncritical partisan presentation of one methodology...

9/3,K/3 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2006 The Gale Group. All rts. reserv.

11864074 Supplier Number: 129355720 (USE FORMAT 7 FOR FULLTEXT)
Pioneering offshore energy: the early years. (Offshore Energy Center

publishes book) (Brief Article)

World Oil, v226, n2, pS28(1)

Feb, 2005

Language: English Record Type: Fulltext

Article Type: Brief Article

Document Type: Magazine/Journal; Trade

Word Count: 247

... book will be written to appeal to a broad, general audience as well as industry veterans. The **first volume** in a proposed **three** -volume set, The Early Years will cover the industry from its start thorough the mid-1960s and...

...industry supplements for Offshore magazine and Hart's E&P. Schempf holds a bachelor's degree in **journalism** from Texas Christian University.

The OEC plans to secure sponsors for the book and, to date, 9...

9/3,K/4 (Item 1 from file: 160)

DIALOG(R)File 160:Gale Group PROMT(R)

(c) 1999 The Gale Group. All rts. reserv.

01355310

The Portable II.

PC TECH JOURNAL June, 1986 p. 311

... is a suitcase-sized AT compatible that is the product of the month, according to PC Tech **Journal** . The Portable II is a full-function AT compatible that is 30% smaller (to fit under an...

... megahertz rate if necessary for software compatibility. It comes with 640 kilobytes of memory; one 360 KByte, **3rd** -height diskette **drive** ;☐one ☐ 10 MByte, 3.5'', **3rd** -height hard **disk** ; a realtime clock; a serial and parallel port; and 2 expansion slots. A memory expansion option increases ...

9/3,K/5 (Item 1 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2006 The Gale Group. All rts. reserv.

0017941873 SUPPLIER NUMBER: 129169355 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Remembering Bill Katz. (From The Editors) (Obituary)

Wallace, Danny P.; Van Fleet, Connie

Reference & User Services Quarterly, 44, 2, 109(2)

Winter, 2004

DOCUMENT TYPE: Obituary

ISSN: 1094-9054

LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 941 LINE COUNT: 00077

... first three issues and was replaced by Ben Bowman, whose editorship spanned the fourth issue of the **first volume** and the **first** two issues of **Volume** 2. John Fall succeeded Bowman and was editor through the second issue of Volume 3. Bill Katz assumed the editorship with the **third** issue of **Volume** 3 and immediately doubled the page length to sixteen pages and the number of issues to six per year. Bill continued to edit the **journal** through the end of Volume 12. His ten years as editor saw the **journal** grow from a brief newsletter to a scholarly professional **journal** publishing 108 pages of articles and columns in each issue.

Bill oversaw the introduction of a whole family of columns of interest to the **journal** 's readership, beginning with "The Exchange," a compendium of difficult to answer or unusual questions posed by...

9/3,K/6 (Item 2 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2006 The Gale Group. All rts. reserv.

13714739 SUPPLIER NUMBER: 77097387 (USE FORMAT 7 OR 9 FOR FULL TEXT)
International Encyclopedia of Women and Sports.(Review) (book review)
Slapsys, Richard
Reference & User Services Quarterly, 40, 4, 388
Summer, 2001
DOCUMENT TYPE: Review ISSN: 1094-9054 LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 483 LINE COUNT: 00042

... drawn from a wide variety of primary sources. Each entry ends with a bibliography of book and **journal** sources.

Volume one begins with a reader's guide that indicates what topics are covered under general areas such as...

...lengthy alphabetical list of articles and their authors, and an alphabetical list of contributors and their association. **Volume three** ends with five appendixes and an index. The appendixes include female medalists at both summer and winter...

9/3,K/7 (Item 3 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2006 The Gale Group. All rts. reserv.

11784987 SUPPLIER NUMBER: 58469308 (USE FORMAT 7 OR 9 FOR FULL TEXT)
NEW GURU GUIDE.
Management Today, 46
Dec, 1999
ISSN: 0025-1925 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 220 LINE COUNT: 00021

... Mexico, Geneva, Singapore, Moscow, Madrid, South America and Hong Kong.

What he's written The Information Age.

Volume one : The rise of the network society (1996). Volume two: The power of identity (1997). **Volume three** : End of millennium (1998).
What they say about him

The Wall Street **Journal** called Castells 'the first great philosopher of cyberspace', the LA Times dubbed him 'the Voltaire of the...

9/3,K/8 (Item 4 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2006 The Gale Group. All rts. reserv.

11203826 SUPPLIER NUMBER: 55165507 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Blanche Wiesen Cook: In The First Lady's Footsteps.(biographer remembers Eleanor Roosevelt)
SCHUESSLER, JENNIFER
Publishers Weekly, 246, 27, 42
July 5, 1999

DOCUMENT TYPE: Biography ISSN: 0000-0019 LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 2110 LINE COUNT: 00161

... her eyes--they were an incredibly clear, luminescent blue."
With Eleanor Roosevelt, 1884-1933 (Viking, 1992), the **first volume**
of her projected **three** -volume biography of the wife of Franklin
Roosevelt, Cook took the white gloves off the former First Lady, producing
the first full portrait of her substantial activities in the 1920s as a
journalist , progressive organizer, and Democratic party "women's boss."
Cook's Mrs. Roosevelt was a far cry from...

9/3,K/9 (Item 5 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2006 The Gale Group. All rts. reserv.

10407060 SUPPLIER NUMBER: 21034141 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Determinants of Economic Growth. (book reviews)
Knack, Stephen
Southern Economic Journal, v65, n1, p185(3)
July, 1998
DOCUMENT TYPE: Review ISSN: 0038-4038 LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 1658 LINE COUNT: 00139

Cambridge, MA: MIT Press, 1997. Pp. xii, 145. \$22.50.

This **volume** encompasses **three** essays on the empirical determinants
of economic growth. These essays are based on Barro's Lionel Robbins...

...leading macroeconomic theoreticians, Barro also has become the leading
empiricist in the cross-country growth literature. The **first** essay in
this **volume** is a broad overview of the empirical correlates of growth; it
is the latest in a series of works building on his 1991 Quarterly **Journal**
of Economics article, a standard reference in the field. The second essay
focuses on the relationship of...

9/3,K/10 (Item 6 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2006 The Gale Group. All rts. reserv.

10398794 SUPPLIER NUMBER: 21015850 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Human Resources and the Firm in International Perspective. (book reviews)
Adams, Tony
Business History, v40, n3, p176(3)
July, 1998
DOCUMENT TYPE: Review ISSN: 0007-6791 LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 993 LINE COUNT: 00085

... provides a brief essay by way of introduction to a series of
readings reprinted from books and **journals** . The 25 readings are arranged
into six sections arranged over two volumes.

The **first volume** contains **three** sections. In the opening
section, the four pieces on paternalism and industrial welfare invite
international comparison. The...

9/3,K/11 (Item 7 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2006 The Gale Group. All rts. reserv.

08951535 SUPPLIER NUMBER: 18656499 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Paul Metcalf: Collected Works, 1956-1976. (book reviews)
Publishers Weekly, v243, n37, p67(1)
Sep 9, 1996
DOCUMENT TYPE: Review ISSN: 0000-0019 LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 295 LINE COUNT: 00026

... Gass, Metcalf has been published only in small editions and chapbooks by some very small presses. This **first volume** in a **three**-volume effort from Coffee House promises to give a lifetime's innovative work wider exposure and a...

...southpaw pitcher who hits the American road. "Genoa" is a spectacular confrontation with Melville's work, the **journals** of Columbus and molecular biology--all folded into a hallucinatory narrative about two brothers and their different...

9/3,K/12 (Item 8 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2006 The Gale Group. All rts. reserv.

07886681 SUPPLIER NUMBER: 16882927 (USE FORMAT 7 OR 9 FOR FULL TEXT)
RASD: serving those who serve the public. (American Library Association Reference and Adult Services Division)
Hansen, Andrew M.
RQ, v34, n3, p314(25)
Spring, 1995
ISSN: 0033-7072 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 14276 LINE COUNT: 01216

... has no official meaning and must be sought. Mixed feelings there may be - that our full-blown **journal** format must be postponed, but also that a beginning is now achieved, and with the aid and encouragement of reference-oriented interests, a contribution may here be made to our profession.[16]

Journal status was achieved with volume eight and, excepting **volumes three** and four with six issues each, four issues have appeared per volume. Both the reviews section and "The Exchange" date from volume five.

The **first** eleven **volumes** were published by the RSD, and the editorial practices leading to the policy adopted by the RSD...

9/3,K/13 (Item 9 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2006 The Gale Group. All rts. reserv.

07611129 SUPPLIER NUMBER: 16565002 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Market uncertainty and the social character of economic exchange.
Podolny, Joel M.
Administrative Science Quarterly, v39, n3, p458(26)
Sept, 1994
ISSN: 0001-8392 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 11591 LINE COUNT: 00957

... manager for the past two years. There are several reasons for including these measures of volume history. **First** , underwriting **volume** represents an alternative to status as a basis for evaluating a bank's ability as an underwriter (Podolny, 1993). Trade publications such as the Wall Street **Journal** and Investment Dealer's Digest publish quarterly rankings of the underwriting volume of the investment banks. Second...

...securities a bank underwrites, the better it is able to assess the economic conditions of the market. **Third** , since underwriting **volume** in the capacity of co-manager is necessarily a function of the degree to which the investment...

9/3,K/14 (Item 10 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2006 The Gale Group. All rts. reserv.

06213417 SUPPLIER NUMBER: 13794047 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Biotechnology Citation Index. (Software Review) (Evaluation)

Gilmore, Frederick L.

CD-ROM Librarian, v7, n10, p51(4)

Nov, 1992

DOCUMENT TYPE: Evaluation ISSN: 0893-9934 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 2713 LINE COUNT: 00208

The Institute for Scientific Information's (ISI) Biotechnology Citation Index (BCI) on compact **disc** comprises **one** of ☐three☐new products the firm released late last year (the other two: Neuroscience Citation Index and Chemistry Citation...

...derivation of ISI's Science Citation Index (SCI) on CD-ROM. It offers total coverage of 150 **journals** with relevant articles from the remaining 7,000 **journals** treated in the firm's main database. The primary advantages to this repackaging are that the records...

9/3,K/15 (Item 1 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2006 ProQuest Info&Learning. All rts. reserv.

02804180 653886401

Intent to Leave Among Geographically Isolated Branch Office Employees: An Empirical Study

Morris, Philip W; Quarles, N Ross; Rhodes, Colbert

Journal of American Academy of Business, Cambridge v5n1/2 PP: 397-403

Sep 2004

JRNL CODE: JAAB

WORD COUNT: 3954

...TEXT: W. & Price, J. L. (1997). "Job Satisfaction and Organizational Attachment of Nurses Holding Doctoral Degrees." Nursing Research, **Volume** Forty Six, Number **Three** , 163-171.

Hackman, J. R., & Lawler, E. (1971). "Employee Reactions to Job Characteristics." **Journal** of Applied Psychology, Volume Fifty-Five, 259-286.

Hackman, J. R. Pearce, J. & Wolfe, J. (1978). "Effects...

...Job Characteristics on Work Attitudes and Behavior: A Naturally Occurring Quasi-Experiment." Organizational Behavior and Human Performance. Volume Twenty- One , 289-304.

House, J. S. (1980). Occupational Stress and the Mental and Physical Health of Factory Workers...

9/3,K/16 (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2006 ProQuest Info&Learning. All rts. reserv.

02411004 116350090
Leonard Dupee White and public administration
Weber, Jeffrey A.
Journal of Management History v2n2 PP: 41 1996
JRNL CODE: MGHT
WORD COUNT: 12334

...TEXT: first meeting of the ASPA there was a consensus that there was a need for a professional **journal** to be used to exchange ideas. The association started the **journal** Public Administration Review (PAR) and elected White as editor-in-chief. White made very few comments as...

...PAR during his years as editor-in-chief, it appears that he viewed PAR as a practitioners' **journal** influenced by academics. The report from the second annual conference of the ASPA showed White asking for an increase in articles from practitioners[33]. All the issues in the **first volume** of PAR appear arranged in a similar manner: national, state, local, book reviews, contemporary topics, and news from the society. The majority of articles in each issue of the second and **third volumes** focused on a particular topic such as: agriculture administration in wartime, personnel administration in war, and rationing...

9/3,K/17 (Item 3 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2006 ProQuest Info&Learning. All rts. reserv.

02062616 59427766
Advances in Entrepreneurship, vol. 3: Firm Emergence and Growth
Knott, Anne Marie
Administrative Science Quarterly v45n2 PP: 399-401 Jun 2000
ISSN: 0001-8392 JRNL CODE: ASQ
WORD COUNT: 1271

...TEXT: of entrepreneurship or "hold leadingedge potential for moving the discipline to greater rigor" (p. 3). While entrepreneurship **journals** may have similar goals, the editor feels that the advantage of edited volumes is that they can incorporate longer, more in-depth, and thoughtful papers than can **journals** .

Edited volumes can be compiled in a variety of ways, such as with solicited manuscripts or as...

...that it is the result of three separate processes used to garner papers. Two chapters in the **volume** are from conferences, **three** are from unsolicited manuscripts, and two are from a rather innovative process of soliciting manuscripts from editors of entrepreneurship **journals** . The latter two chapters are the strongest in the volume. That the chapters from

journal editors are the strongest illustrates my main concern with the volume . While I am sympathetic to the need for longer and more in-depth papers, the advantage of...

9/3,K/18 (Item 4 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2006 ProQuest Info&Learning. All rts. reserv.

01991102 47253078

Continuity and change in public personnel administration

Stehr, Steven D; M, Ted

Review of Public Personnel Administration v19n2 PP: 32-49 Spring 1999

ISSN: 0734-371X JRNL CODE: RPP

WORD COUNT: 6790

...TEXT: devoted to "public management" issues, an effort to ascertain the frequency of public personnel-- oriented topics in journals such as Public Management and Productivity Review, State and Local Government Review, Public Administration Quarterly, Public Administration...

...on where we have been and where we might be going.

Notes

1The analysis was conducted on volume one , number one through volume twenty-seven, number three for PPM and volume one , number one through volume eighteen, number three for ROPPA. Professional notes and contributions to symposia were included in the analysis, but introductions to symposia...

9/3,K/19 (Item 5 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2006 ProQuest Info&Learning. All rts. reserv.

01685865 03-36855

Determinants of Economic Growth

Knack, Stephen

Southern Economic Journal v65n1 PP: 185-187 Jul 1998

ISSN: 0038-4038 JRNL CODE: SEJ

WORD COUNT: 1534

...TEXT: of Economic Growth

By Robert Barro.

Cambridge, MA: MIT Press, 1997. Pp. xii, 145. \$22.50.

This volume encompasses three essays on the empirical determinants of economic growth. These essays are based on Barro's Lionel Robbins...

...leading macroeconomic theoreticians, Barro also has become the leading empiricist in the cross-country growth literature. The first essay in this volume is a broad overview of the empirical correlates of growth; it is the latest in a series of works building on his 1991 Quarterly Journal of Economics article, a standard reference in the field. The second essay focuses on the relationship of...

9/3,K/20 (Item 6 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2006 ProQuest Info&Learning. All rts. reserv.

01371098 00-22085

Assessing the costs and analyzing Sysplex/CICSplex/DB2 data sharing

Confrey, Tom

Capacity Management Review v24n12 PP: 1-27 Dec 1996

ISSN: 1049-2194 JRNL CODE: PPR

WORD COUNT: 7418

...TEXT: hardware configuration was logically partitioned to run two Coupling Facilities, two 9672-R53 processors and the TPNS **driver** as follows:

(1) **One** 9672-RX3 processor which was logically partitioned to run as three images (two Coupling Facilities, one LPAR for TPNS):

Two Coupling Facilities T1CF1LP and T1CF2LP each with 800 MB central **storage** and each with **three** processors.

One LPAR to execute TPNS with four processors and 400 MB of central storage and 2 GB of expanded **storage** .

(2) **One** 9672-RX3 processor to run as:

Two LPARs each with five engines or logically two 9672R53 processors...

...RAMAC-2 class devices.

(Chart Omitted)

Captioned as: FIGURE 1.

MVS work packs, DB2 logs and CICS **journals** were placed on the RAMAC-1 class devices.

The application was response time critical, required 24x7 availability...

9/3,K/21 (Item 7 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2006 ProQuest Info&Learning. All rts. reserv.

01351771 00-02758

An empirical research study on Japanese sport tourism in sport-for-all events: Case studies of a single-night event and a multiple-night event

Nogawa, Haruo; Yamaguchi, Yasuo; Hagi, Yumiko

Journal of Travel Research v35n2 PP: 46-54 Fall 1996

ISSN: 0047-2875 JRNL CODE: JTR

WORD COUNT: 6325

...TEXT: pp. 125-34.

Clough, P., J. Shepherd, and R. Maughan (1989). "Motives for Participation in Recreational Running." **Journal** of Leisure Research, 21 (4): 287-309.

Davidson, L., and W. Schaffer (1980). "A Discussion of Methods Employed in Analyzing the Impact of Short-Term Entertainment Events." **Journal** of Travel Research. 18 (Winter): 12-16.

Reference:

De Knop, P. (1987). "Some Thoughts on the Influence...
...38-45.

Glyptis, S. A. (1989). "Recreational Resource Management." In Progress in Tourism, Recreation and Hospitality Management, **Volume One**, edited by C. P. Cooper. London: Belhaven Press, pp. 135-54. (1991). "Sport and Tourism." In Progress in Tourism, Recreation and Hospitality Management, **Volume Three**, edited by C. P. Cooper. London: Belhaven Press, pp. 165-83.

Hefner, F. L. (1990). "Using Economic Models to Measure the Impact of Sports on Local Economies" **Journal of Sport and Social Issues**, 14 (1): 1-13.

Hu, Y., and J. R. B. Ritchie (1993). "Measuring Destination Attractiveness: A Contextual Aimroach." **Journal of Travel Research**, 32 (Fall): 25-34.

Reference:

Japan Economic Planning Agency (1993). Kokumin Seikatsu Hakusho (White...

9/3,K/22 (Item 8 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2006 ProQuest Info&Learning. All rts. reserv.

01261583 99-10979

The green scene: Academics on the environment

Dobson, Andrew

Sociology: The Journal of the British Sociological Association v30n2 PP: 395-403 May 1996

ISSN: 0038-0385 JRNL CODE: PSGY

WORD COUNT: 5243

...TEXT: s Green Politics series is a microscopic example of the career of some green publishing ventures. The **first** of the three **volumes** appeared in 1990, the second in 1992 and this, the **third** and final **volume**, in 1995. At the beginning it seemed as though an 'annual' of this sort (conceived in **journal** form with articles and book reviews but published just once a year) would run and run, but...

...type. But on one reading, Green Politics has not so much disappeared as been replaced by specialist **journals** such as Environmental Politics and Environmental Values, and so its finest overall achievement has probably been to...

9/3,K/23 (Item 9 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2006 ProQuest Info&Learning. All rts. reserv.

01235460 98-84855

Organizational Risk Factors for Job Stress

Spector, Paul E

Personnel Psychology v49n2 PP: 502-504 Summer 1996

ISSN: 0031-5826 JRNL CODE: PPS

WORD COUNT: 1008

...TEXT: chapters here are complete reports. In another sense this book is like a special issue of a **journal**. However, the editors here provide both an introductory overview and section overviews. In addition there are author and subject indexes, which are not typically found in **journal** special issues.

As explained in the preface to this book, the APA/NIOSH conference papers are published...

...of the chapters deals with the effects of the work environment on employee job stress outcomes. The **first volume** is concerned with how job stress is affected by changed demographics of the work force and by the interaction of work and family. Interventions is the topic of the **third volume** of the series.

This book contains 24 chapters (including the editors' introductory overview) organized into 5 parts...

...international group who provide an impressive collection of research reports and reviews. Most of the chapters are **journal**-type reports of empirical studies conducted by the authors. These studies cover a wide variety of topics...

9/3,K/24 (Item 10 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2006 ProQuest Info&Learning. All rts. reserv.

01008007 96-57400

The CD-ROMization of magazines: Part 2

Jacso, Peter

Link-Up v12n2 PP: 14-15 Mar/Apr 1995

ISSN: 0739-988X JRNL CODE: LUP

WORD COUNT: 1517

...TEXT: computer equipped with a CD-ROM drive than that of Modern Maturity, Good Housekeeping, or Ladies Home **Journal**, to name a few of the top 10 print magazines.

PC Magazine CD

By the time you read this, the **first** issue of **volume three** will be available. It may be surprising, but the first issue was published in 1993 followed by...

?